

Luminox

Low-Foaming Neutral Cleaner

- Low foaming for use in mechanical and spray washers
- Neutral pH for non-corrosive cleaning, safe handling and easy waste disposal
- No chelation or alkalinity waste treatment problems
- Concentrated for economical use
- Free rinsing to eliminate interfering residues
- Biodegradable and phosphate free

Used to clean

Aluminum and soft metal surfaces, medical instruments in aluminum trays, alkaline sensitive lab and glassware, sensitive aerospace materials, pharmaceutical process equipment, medical devices, electronic components. FDA certified.

Used to remove

Oils, dirt, grime, adhesives and uncured epoxy, particulates, residues, fluxes, chemical solvents, machining oils.

Surfaces cleaned

Corrosion inhibited formulation recommended for glass, ferrous metals, non-ferrous metals, aluminum, copper, zinc, and other soft metals, ceramic, plastic, circuit boards and electronic components.

Cleaning method

Soak tanks, manual cleaning, ultrasonic tanks, mechanical washers, washer/sanitizers, spray washers, CIP systems.

Directions

For manual, soak and ultrasonic use, make a 3-5% solution (4-6 oz per gal. or 30-50 ml per liter) in warm or hot water. Protective gloves and eyewear are recommended. For spray machines, add detergent at the hot water wash cycle to make a 2% solution (2 1/2 oz. per gal. or 20 ml per liter). For difficult soils raise water temperature and use more detergent. RINSE THOROUGHLY—preferably with running water. For critical cleaning do final or all rinsing in distilled, deionized or purified water. Corrosion testing may be advisable.

Luminox is available from leading laboratory, hospital, clinical and industrial suppliers.

Chemical Description

Luminox is an aqueous, low-ionic content, phosphate-free blend of organic solvents, surfactants, and rinse aids.

Cleaning Validation Methods

Test a parameter of rinse water before and after rinsing the cleaned surface. No significant change in the parameter indicates no detectable residue. Parameters measured include: pH, spectrographic methods, surface tension, and surface analysis. For details call ERE Inc. at 1-888-287-3732.

Health Safety Information

RCRA Hazard Class	Non-hazardous
EPA Priority Pollutants	None
DOT Hazard Class	Non-hazardous
Flammability	Non-flammable
Latex Content	None in detergent, packaging materials or adhesives.
Oral Toxicity	LD50 > 5000 mg/kg oral rat. No ingredient defined as an oral toxicant by OSHA
Eye Irritation	Potentially serious eye irritant
VOC Content	Less than 50 g/liter even at 10% use concentration
Carcinogenicity	NTP =No IARC =No OSHA = No All ingredients in Luminox are listed in TSCA inventory.



Convenient sizes
Case 4 x 1 Gallons
15 Gal. Drum
30 Gal. Drum
55 Gal. Drum
1 gal. makes 20-50 gallons of cleaning solution

Physical data	Typical value
pH (as is)	6.6
pH (1% to 5%)	7.5
Specific Gravity (g/ml)	1.050
Density (lbs./gal.)	8.75
Surface Tension (dyne/cm)	35.0
Flash Point (degrees F, cleveland open cup)	216
Phosphate Content (as Phosphorous)	0%
Chelate Content	0%
Organic Carbon (% calculated w/w)	20-30%
Fragrance Content	0%
Color	Clear
Form	Liquid
Solubility in water	Completely soluble
Foam tendency	Low foaming
Biodegradability	Biodegradable
Shelf Life	Two years from the date of manufacture

Precautions

No special precautions other than good industrial hygiene and safety practices employed with any industrial chemical (see Directions).

Contact ERE Inc. for purchase specifications. Typical data is not a specification

While the information in this report should not be considered to be a product warranty, we urge you to investigate, test and verify the suitability of Alconox detergents for your specific application. We, of course, can not give permission to use, or recommend the use of, our detergents where they infringe patents. No representation or warranty is made as to the safety of products or materials mentioned under the Federal Food Additives Amendment of 1958.